WATER SUPPLY OUTLOOK FOR COLORADO AND NEW MEXICO

Prepared by

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

COLORADO STATE UNIVERSITY EXPERIMENT STATION
STATE ENGINEER of COLORADO
and STATE ENGINEER of NEW MEXICO

Data included in this report were obtained by the agencies named above in cooperation with the Bureau of Reclamation, U.S. Forest Service, National Park Service, Corps of Engineers and other Federal, State and private organizations.

AS OF
MAY 1, 1972

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters of key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO NUMBER ORC 221-3

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 970, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

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WATER SUPPLY OUTLOOK FOR COLORADO AND NEW MEXICO

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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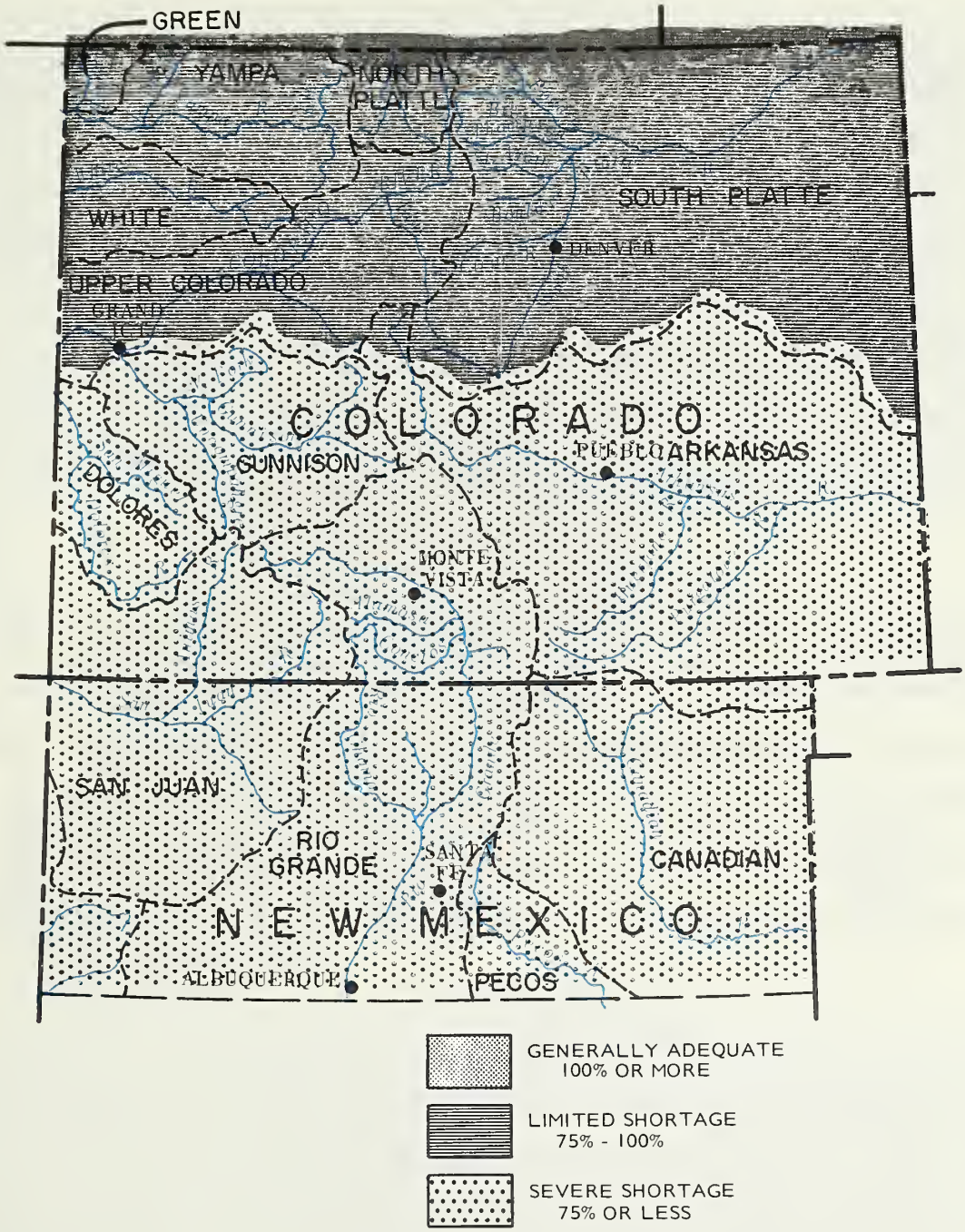
WATER SUPPLY OUTLOOK

as of
May 1, 1972



The map on this page indicates the most probable water supply as of the date of this report. Estimates assume average conditions of snow fall, precipitation and other factors from this date to the end of the forecast period. As the season progresses accuracy of estimates improve. In addition to expected streamflow, reservoir storage, soil moisture in irrigated areas, and other factors are considered in estimating water supply. Estimates apply to irrigated areas along the main streams and may not indicate conditions on small tributaries.

WATER SUPPLY CONDITIONS

as of
May 1, 1972

THE SNOWPACK RANGES FROM NEAR NORMAL IN THE NORTHERN PARTS OF COLORADO TO ONLY ABOUT FIFTY PERCENT IN SOUTHERN COLORADO AND NORTHERN NEW MEXICO. LOW ELEVATION SNOW IS NEARLY GONE IN BOTH STATES. RESERVOIR STORAGE IS EXCELLENT IN THE SOUTH PLATTE DRAINAGE. OTHER BASINS IN COLORADO HAVE LESS THAN NORMAL STORAGE. SOIL MOISTURE CONDITIONS IN THE TWO STATES ARE GENERALLY POOR, HOWEVER, MONTH-END SNOW STORM NEAR DENVER HELPED IN A FEW AREAS.

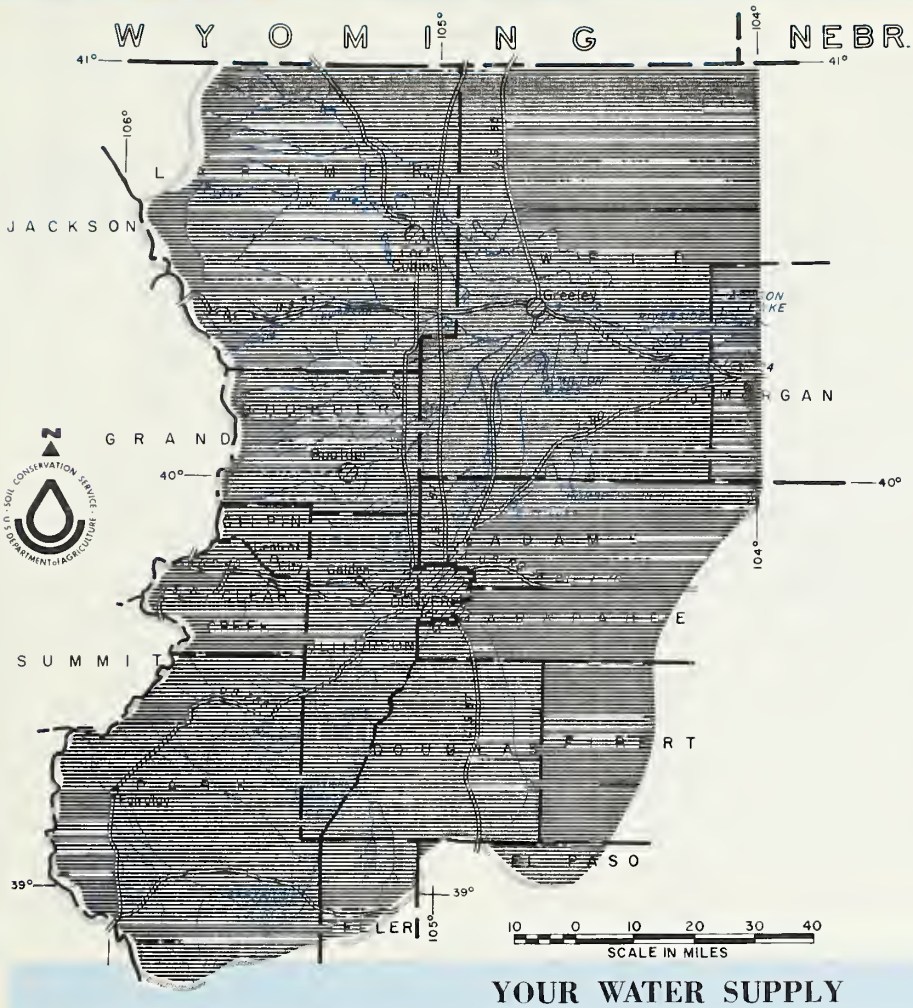
-- NONE OF THE STATE'S STREAMS WILL FLOW NORMAL OR ABOVE THIS SUMMER. THE NORTHERN THIRD SHOULD HAVE AT LEAST ADEQUATE SUPPLIES WHILE THE SOUTHERN THIRD WILL BE CONSIDERABLY SHORT OF WATER. SOME SNOW COURSES ARE NEAR A MINIMUM OF RECORD IN THE RIO GRANDE AND SAN JUAN BASIN. WARM WEATHER HAS PRACTICALLY ELIMINATED THE LOW ELEVATION SNOWPACK. SUMMER RAINS ARE BADLY NEEDED IN SOUTHERN COLORADO.

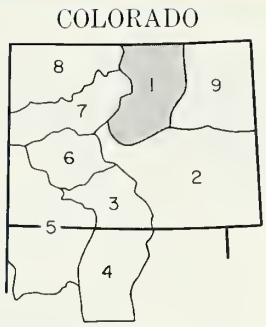
-- SNOWFALL HAS BEEN VERY DEFICIENT SINCE JANUARY OVER ALL OF NEW MEXICO. WARM TEMPERATURES REDUCED THE SNOWPACK EVEN FARTHER. SNOW MELT WATER SUPPLIES WILL BE VERY DEFICIENT THIS SUMMER. MOST OF THE STATE'S STREAMS ARE EXPECTED TO FLOW LESS THAN 50 PERCENT. CARRY-OVER STORAGE IS ALSO POOR. REPORTS LIST SOIL MOISTURE AS FAIR TO POOR.

WATER SUPPLY OUTLOOK
FOR THE SOIL CONSERVATION DISTRICTS IN THE
SOUTH PLATTE RIVER WATERSHED IN COLORADO

as of
May 1, 1972

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE
CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO





LEGEND

- Highway
- Drainage
- Town
- Watershed Boundary
- Generally Adequate — 100% or more
- Limited Shortage — 75% - 100%
- Severe Shortage — 75% or less

YOUR WATER SUPPLY

END OF THE MONTH SNOW STORM ADDED SOME MUCH NEEDED WATER TO THE SOUTH PLATTE BASIN. THE STORM WAS SPOTTY, BUT KEPT THE SNOWPACK NEAR NORMAL. WATER SUPPLIES SHOULD BE GENERALLY ADEQUATE THIS SUMMER. FORECASTS ARE NEAR NORMAL, CARRY-OVER STORAGE IS GOOD AND VALLEY SOILS ARE IN RELATIVELY GOOD CONDITION.

This report prepared by
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The Conservation of Water begins with the Snow Survey

STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr-Sept

FORECAST POINT	FORE-CAST	% of Average	Average †
Big Thompson at Drake (1)	90	90	100
Boulder at Orodell	45	92	49
Cache La Poudre at Canyon Mouth (2)	210	98	215
Clear Cr. at Golden(3)	105	88	119
St. Vrain at Lyons (4)	60	86	70

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Bear Creek	Avg.	Avg.
Coal Creek	Avg.	Avg.
North Fork of South Platte	Avg.	Avg.
North Fork of Cache La Poudre	Avg.	Avg.
Ralston Creek	Avg.	Avg.
Rock Creek	Avg.	Avg.

(1) Observed flow plus by–pass to power plants. (2) Observed flow minus trans–basin diversions plus municipal and irrigation diversions. (3) Observed flow minus diversion through August P. Gumlick Tunnel. (4) Observed flow plus change in storage in Price Reservoir.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Big Thompson	5	75	98
Boulder	3	64	83
Cache La Poudre	8	75	118
Clear Creek	6	74	83
Saint Vrain	3	36	81
South Platte	3	89	123

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average †
Big Thompson	2	98	98
Boulder	1	113	140
Cache La Poudre	2	89	107
Clear Creek	2	80	110
Saint Vrain	2	109	127
South Platte	2	85	101

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Antero	33.0	15.9	15.9	10.6
Barr Lake	32.2	26.8	29.0	23.0
Black Hollow	8.0	4.8	4.3	3.5
Boyd Lake	44.0	36.4	45.4	27.7
Cache La Poudre	9.5	8.2	9.5	8.0
Carter Lake	108.9	107.2	109.0	86.4
Chambers Lake	8.8	2.3	4.9	3.3
Cheesman	79.0	74.0	77.7	50.2
Cobb Lake	34.0	20.1	21.9	9.8
Eleven Mile	97.8	81.0	96.4	72.9
Fossil Creek	11.6	8.1	10.3	7.0
Gross	43.1	18.3	34.1	17.4

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Halligan	6.4	4.3	6.4	5.6
Horsetooth	143.5	134.0	128.4	116.9
Lake Loveland	14.3	12.2	12.7	9.0
Lone Tree	9.2	8.0	8.8	7.9
Mariano	5.4	5.2	5.5	2.0
Marshall	10.3	6.5	9.4	4.0
Marston	18.0	14.7	16.7	15.5
Milton	24.4	18.1	16.3	11.0
Standley	42.0	31.1	34.8	11.9
Terry Lake	8.2	5.9	7.1	5.3
Union	12.7	12.1	12.7	8.0
Windsor	18.6	13.6	11.7	14.7

† 1953-1974 period.

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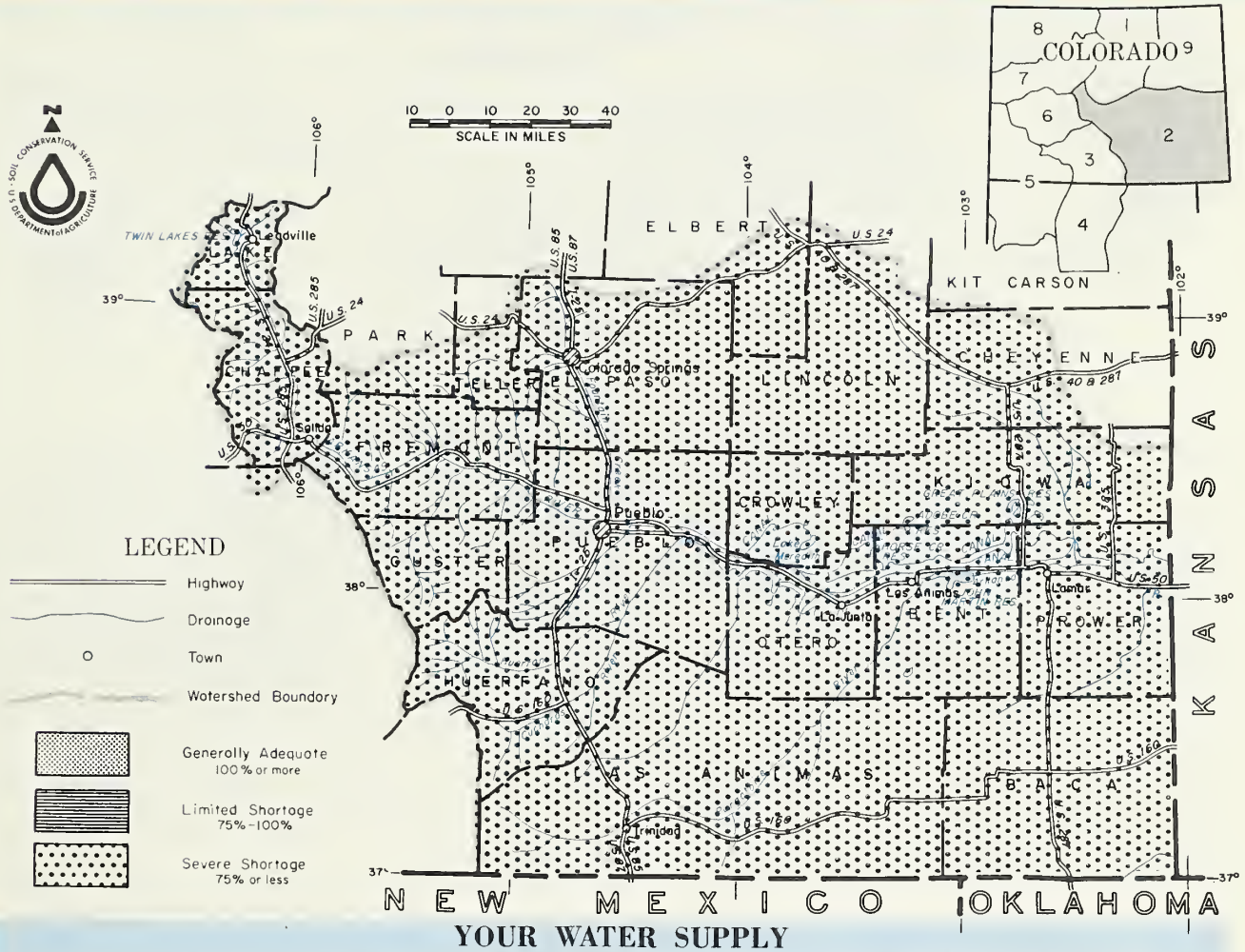
"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK
FOR THE SOIL CONSERVATION DISTRICTS IN THE
ARKANSAS RIVER WATERSHED IN COLORADO

as of

May 1, 1972

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE
CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



YOUR WATER SUPPLY

WATER SUPPLIES WILL BE MUCH BELOW AVERAGE THIS YEAR. WARM TEMPERATURES AND BELOW AVERAGE SNOWFALL CONTINUES TO DIMINISH THE SNOWPACK, ESPECIALLY AT LOWER ELEVATIONS AND SOUTH-FACING SLOPES. FORECASTS NOW RANGE FROM 60% ON THE PURGATOIRE TO 76% ON THE ARKANSAS RIVER AT SALIDA. TURQUOISE RESERVOIR CONTAINS 56,300 A.F. COMPARED TO 51,300 A.F. LAST YEAR. JOHN MARTIN RESERVOIR IS EMPTY. RESERVOIR STORAGE IN THE SMALLER RESERVOIRS IS ABOUT 98% OF AVERAGE.

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STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr-Sept

FORECAST POINT	FORE-CAST	% of Average	Average +
Arkansas nr Pueblo (1)	200	67	298
Arkansas nr Salida (1)	235	76	309
Cucharas nr La Veta	8	67	12
Purgatorie at Trinidad	28	60	46

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Apishapa	Poor	Poor
Fountain Creek	Poor	Poor
Grape	Poor	Poor
Hardscrable	Poor	Poor
Huerfano	Poor	Poor
Monument Creek	Poor	Poor

(1) Observed flow plus change in Clear Creek, Twin Lakes and Turquoise Reservoirs minus diversions through Busk Ivanhoe, Divide, Twin Lakes and Homestake Tunnels and Ewing, Front Pass, Wurtz and Colombine ditches.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average +
Arkansas	10	93	92
Cucharas and Purgatoire	3	0	0

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average +
Arkansas	3	88	76
Cucharas and Purgatoire	1	86	87

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Adobe	61.6	12.1	45.4	10.6
Clear Creek	11.4	5.0	6.0	6.4
Cucharas	40.0	0.0	- -	4.8
Great Plains	150.0	45.4	102.2	35.9
Horse Creek	26.9	0.0	9.0	4.7

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
John Martin	353.9	0.0	2.6	67.9
Meredith	41.9	7.2	24.2	9.3
Model	15.0	0.9	0.0	2.4
Turquoise	130.0	56.3	51.3	6.2
Twin Lakes	57.9	19.2	27.1	17.7

+ 1953-1967 period.

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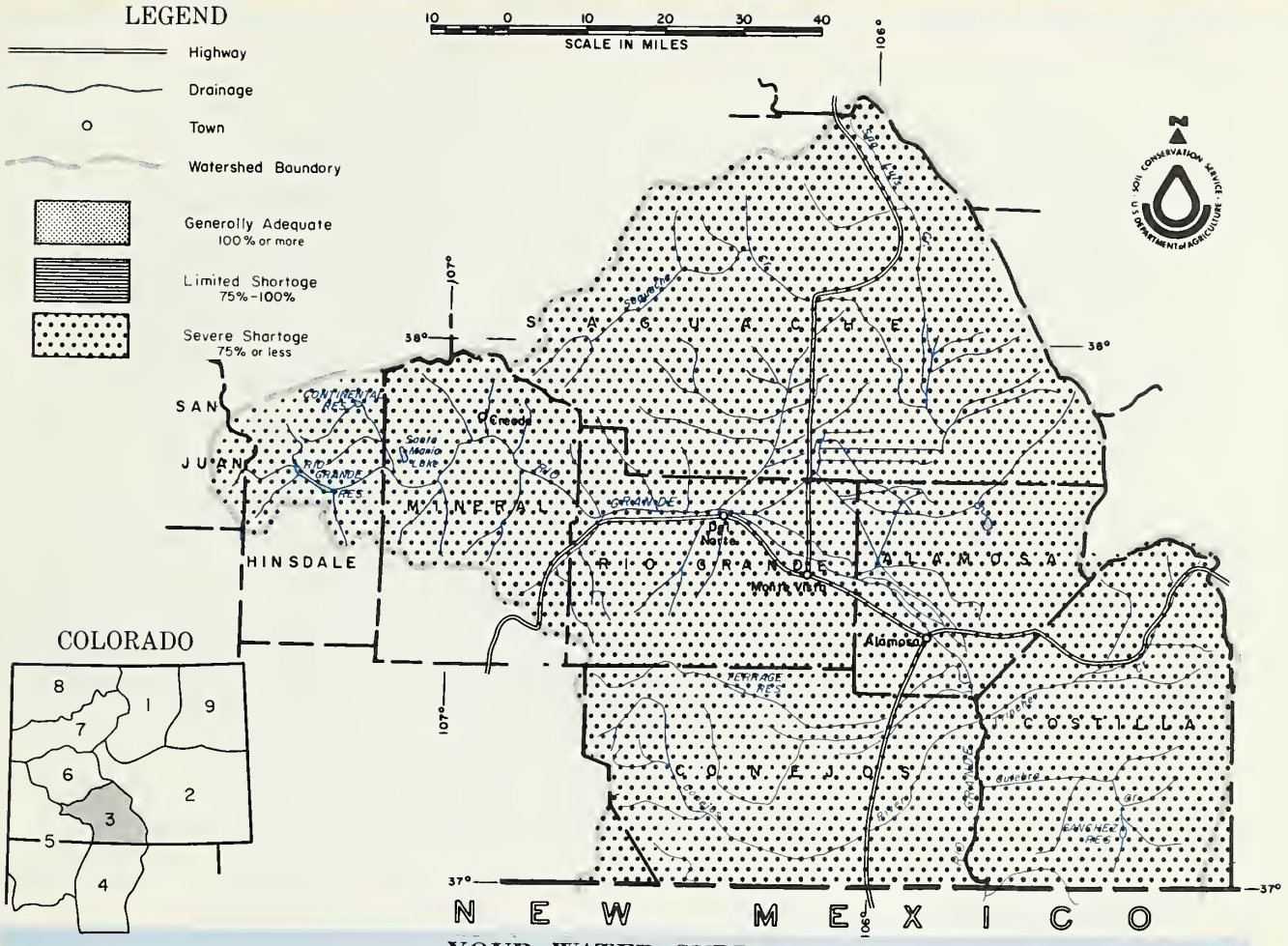
WATER SUPPLY OUTLOOK
FOR THE SOIL CONSERVATION DISTRICTS IN THE
UPPER RIO GRANDE WATERSHED IN COLORADO

as of

May 1, 1972

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE

CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



YOUR WATER SUPPLY

WATER SUPPLIES WILL BE CONSIDERABLY BELOW AVERAGE THIS SUMMER. FORECASTS NOW RANGE FROM 60 TO 70%. THE FORECASTS ARE SLIGHTLY BELOW LAST MONTH'S BECAUSE OF THE CONTINUING WARM TEMPERATURES AND SMALL AMOUNTS OF PRECIPITATION. ONLY THE HIGH ELEVATION SNOW COURSES HAVE SNOW REMAINING. RESERVOIR STORAGE IS SLIGHTLY BELOW NORMAL AND SOIL MOISTURE CONDITIONS IN THE IRRIGATED AREAS ARE REPORTED AS DRY.

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DURANGO, COLORADO

The Conservation of Water begins with the Snow Survey

STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr-Sept

FORECAST POINT	FORE-CAST	% of Average	Average †
Alamosa abv Terrace	38	61	62
Conejos nr Mogote (1)	110	60	182
Culebra at San Luis (2)	12	63	19
Rio Grande at 30 Mile Bridge (3)	85	73	117
Rio Grande nr Del Norte (3)	300	68	438
South Fork at South Fork	70	64	110

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Saguache Creek	Poor	Poor
Sangre de Cristo Cr.	Poor	Poor
Trinchera	Poor	Poor

(1) Observed flow plus change in storage in Platoro Reservoir. (2) Observed flow plus change in storage in Sanchez Reservoir. (3) Observed flow plus change in storage in Santa Maria, Rio Grande and Continental Reservoirs.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Alamosa	2	102	85
Conejos	3	24	7
Culebra	2	0	0
Rio Grande	10	99	60

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average †
Alamosa	1	98	126
Conejos	1	93	77
Culebra	1	86	87
Rio Grande	2	90	98

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Continental	26.7	6.2	9.6	5.8
Platoro	60.0	4.4	2.9	8.1
Rio Grande	45.8	18.0	42.0	15.0

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Sanchez	103.2	7.3	17.5	12.3
Santa Maria	45.0	6.6	11.2	6.9
Terrace	17.7	6.7	2.0	5.7

† 1953-1967 period.

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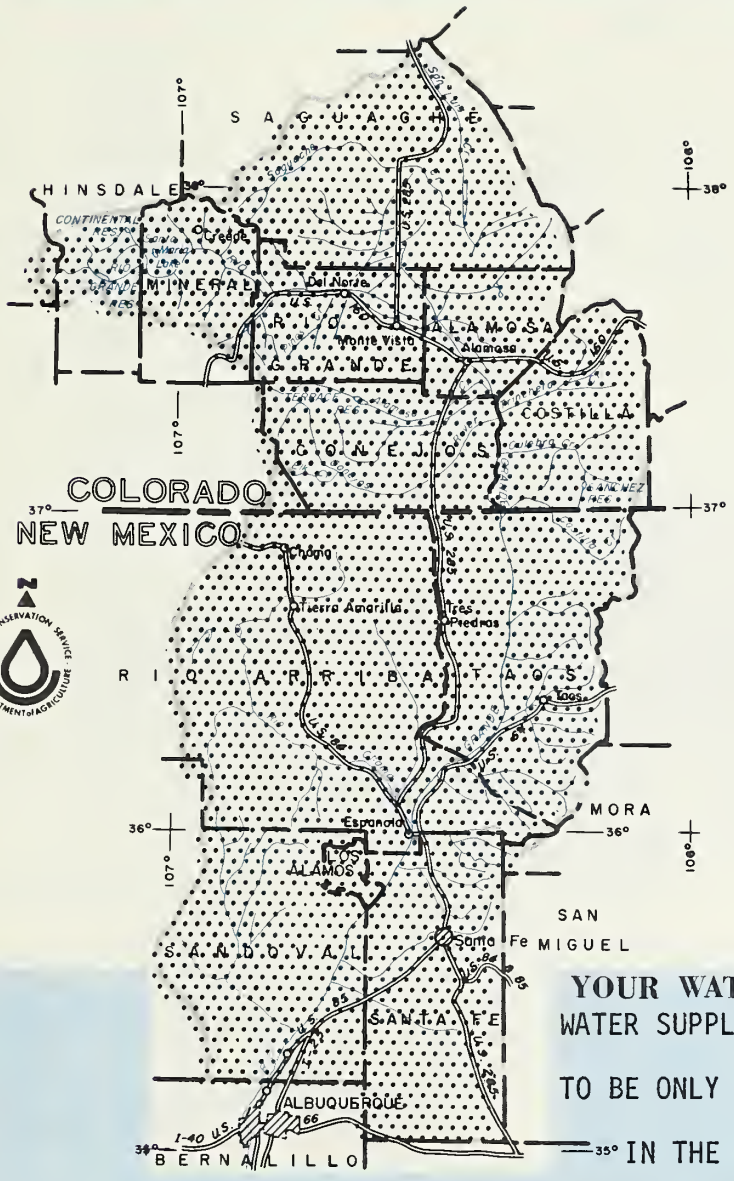
WATER SUPPLY OUTLOOK
FOR THE SOIL CONSERVATION DISTRICTS IN THE
RIO GRANDE WATERSHED IN NEW MEXICO

as of

May 1, 1972

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE
CSU EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



LEGEND

- Highway
- Drainage
- Town
- Watershed Boundary
- Generally Adequate — 100% or more
- Limited Shortage — 75%–100%
- Severe Shortage — 75% or less

10 0 10 20 30 40
SCALE IN MILES

YOUR WATER SUPPLY

WATER SUPPLIES FROM STREAMFLOW IS EXPECTED TO BE ONLY ABOUT 50% OF NORMAL THIS SUMMER IN THE RIO GRANDE VALLEY. SNOW IS PRACTICALLY GONE EXCEPT AT THE VERY HIGH ELEVATIONS. CARRY-OVER STORAGE IS LESS THAN LAST YEAR AND ONLY ABOUT 50% OF THE 15-YEAR AVERAGE. BOTH THE CANADIAN AND PECOS DRAINAGE WILL HAVE DEFICIENT WATER SUPPLIES. SOILS ARE DRY.

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The Conservation of Water begins with the Snow Survey

STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr-Sept

FORECAST POINT	FORE-CAST	% of Average	Average +
Costilla at Cost. (1)	10	56	18
Pecos at Pecos	22	54	41
Rio Chama at El Vado	120	64	188
Rio Grande at Otowi(2)	260	51	513
Rio Grande at San Mar. (2)	120	36	334
Rio Hondo nr Valdez	8	53	15
Red River at Mouth nr Questa	20	63	32

The forecast of the Rio Grande at San Marcial is 19 *% of the Average used by the Elephant Butte Irrigation District. (1) Observed flow plus change in Costilla Reservoir. (2) Observed flow plus change in storage in El Vado and Abiquiu Reservoir.*

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Embudo Creek	Poor	Poor
Jemez River	Poor	Poor
Mora River	Poor	Poor
Nambe Creek	Poor	Poor
Rio Ojo Caliante	Poor	Poor
Rio Pueblo de Taos	Poor	Poor
Santa Fe Creek	Poor	Poor

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average +
No snow measurements scheduled this month.			

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average +
No soil moisture readings scheduled this month.			

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Alamorgordo	111	4	33	64
Caballo	344	41	57	75
Conchas	273	68	130	150
Elephant Butte	2195	172	291	322

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
El Vado	195	8	21	31
McMillen-Avalon	32	20	12	12

+ 1953-1967 period.

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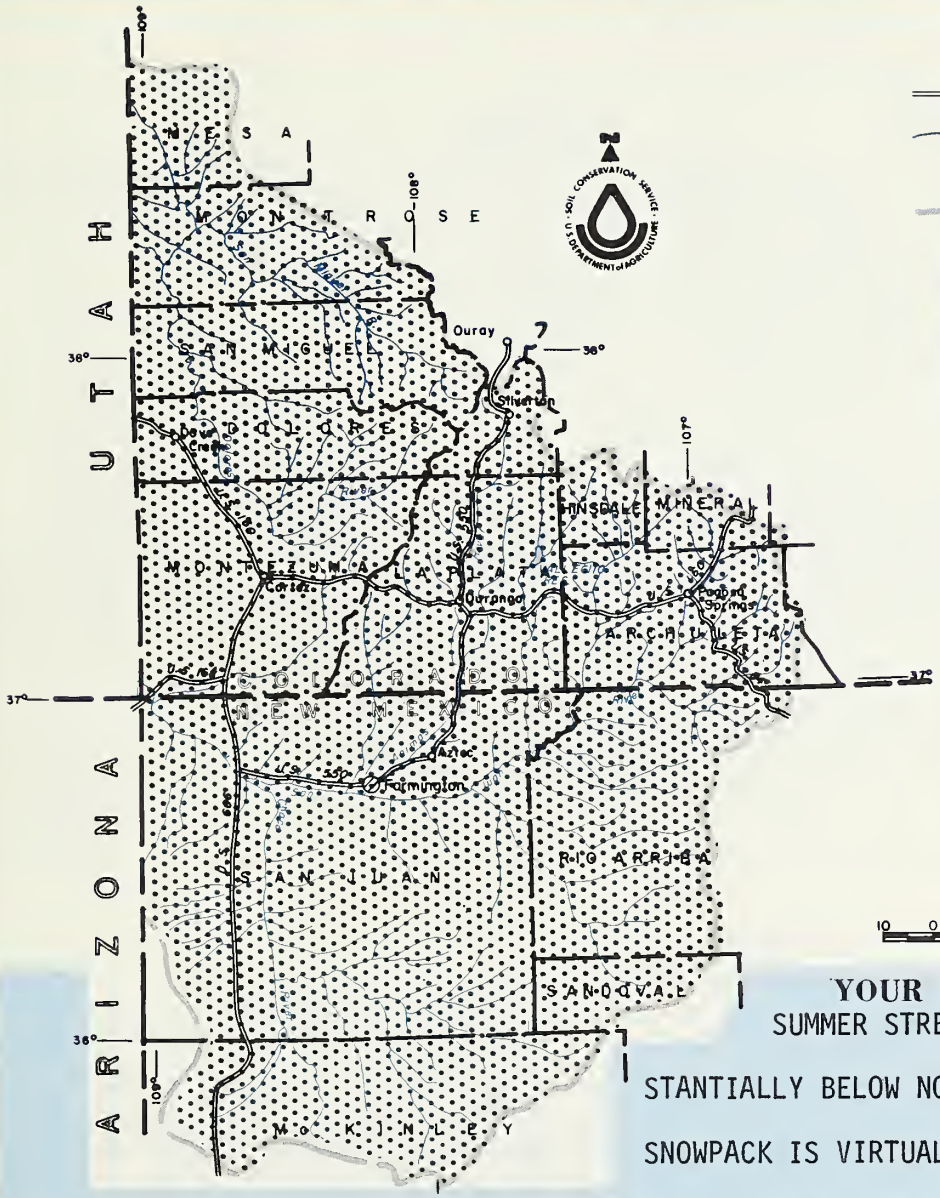
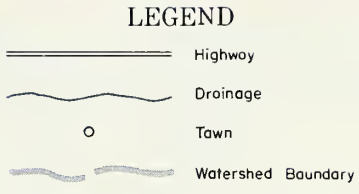
"The Conservation of Water begins with the Snow Survey"

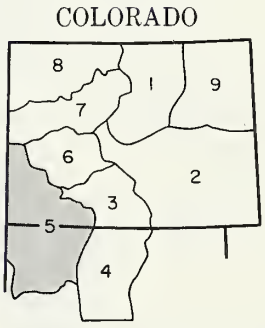
WATER SUPPLY OUTLOOK
FOR THE SOIL CONSERVATION DISTRICTS IN THE
SAN MIGUEL, DOLORES, ANIMAS, SAN JUAN WATERSHEDS
IN COLORADO AND NEW MEXICO

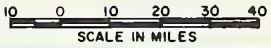
as of
May 1, 1972

U.S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE
COLORADO EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO









YOUR WATER SUPPLY

SUMMER STREAMFLOW WILL BE SUBSTANTIALLY BELOW NORMAL THIS YEAR. THE SNOWPACK IS VIRTUALLY GONE EXCEPT AT THE HIGH ELEVATIONS. FORECASTS HAVE DROPPED EACH MONTH SINCE FEBRUARY. CARRY-OVER STORAGE IS SIMILAR TO LAST YEAR AND SLIGHTLY ABOVE NORMAL. SOIL MOISTURE CONDITIONS AROUND DURANGO ARE POOR, HOWEVER, CORTEZ REPORTS GOOD MOISTURE.

This report prepared by
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The Conservation of Water begins with the Snow Survey

STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr-Sept

FORECAST POINT	FORE-CAST	% of Average	Average †
Animas at Durango	250	61	409
Dolores at Dolores	150	65	231
La Plata at Hesperus	14	58	24
Los Pinos at Bayfield (1)	125	64	194
Piedra Cr. at Piedra	100	61	163
San Juan at Carracas	250	66	379
Inflow to Navajo Res. (1) (Apr-Jul)	360	58	619

(1) Observed flow plus change in storage in Vallicito Reservoir.

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Florida	Fair	Poor
Mancos	Fair	Poor
San Miguel	Fair	Poor

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Animas	6	82	60
Dolores	4	29	15
San Juan	3	102	52

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average †
Animas	3	97	82
Dolores	3	77	61
San Juan	1	93	71

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Groundhog	22	12	19	9
Lemon	40	26	31	19
Navajo	1696	847	869	326
Vallecito	126	79	95	59

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †

† 1953-1967 period.

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"The Conservation of Water begins with the Snow Survey"

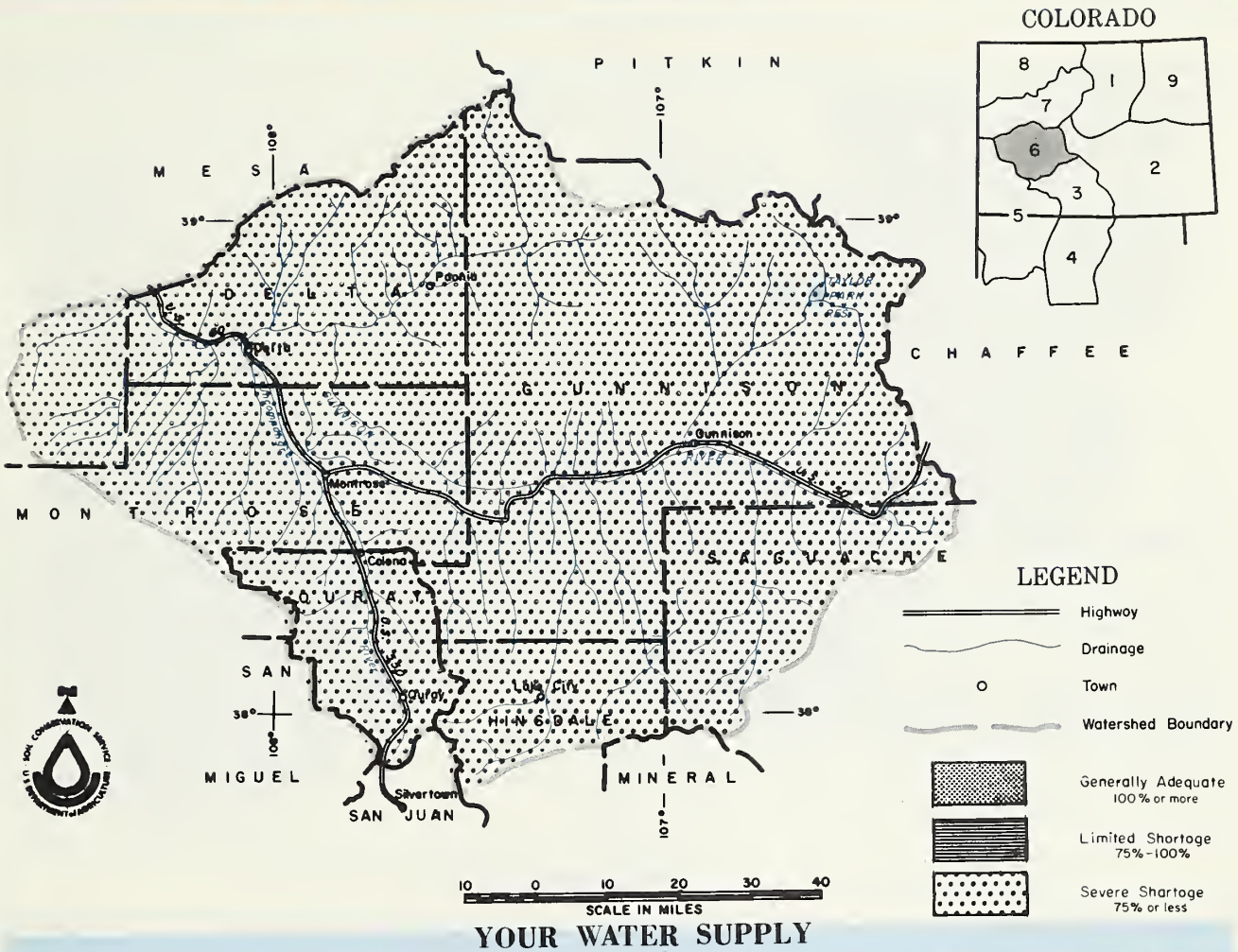
WATER SUPPLY OUTLOOK
FOR THE SOIL CONSERVATION DISTRICTS IN THE
GUNNISON RIVER WATERSHED IN COLORADO

as of

May 1, 1972

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE

COLORADO EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



YOUR WATER SUPPLY

SNOWPACK HAS CONTINUED TO DIMINISH IN THIS BASIN BECAUSE OF WARM TEMPERATURES AND BELOW AVERAGE PRECIPITATION. STREAMFLOW FORECASTS ARE SLIGHTLY LOWER THAN LAST MONTH AND ARE NOW 62% ON THE GUNNISON AND UNCOMPAHGRE RIVERS. RESERVOIR STORAGE IN TAYLOR PARK IS 77,000 A.F., OR 131% OF AVERAGE. BLUE MESA IS 319,000 A.F. COMPARED TO LAST YEAR'S 374,000 A.F. ABOVE AVERAGE PRECIPITATION IS NEEDED TO PROVIDE AN ADEQUATE WATER SUPPLY THIS SUMMER.

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DENVER, COLORADO GLENWOOD SPRINGS, COLORADO

The Conservation of Water begins with the Snow Survey

STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr-Sept

FORECAST POINT	FORE-CAST	% of Average	Average †
Gunnison Rv. Inflow to Blue Mesa	500	65	767
Gunnison nr Grand Junction (1)	700	62	1137
Surface Creek nr Cedaridge	13	81	16
Uncompahgre at Colona	80	62	129

(1) Observed flow plus change in storage in Taylor, Blue Mesa and Morrow Point Reservoirs.

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
North Fork of Gunnison	Fair	Poor
Taylor	Fair	Poor

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Gunnison	12	67	59
Surface Creek	3	68	64
Uncompahgre	3	85	75

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average †
Gunnison	1	100	100
Surface Creek	1	97	122
Uncompahgre	1	97	122

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Blue Mesa	941	319	374	- -
Morrow Point	121	116	115	- -
Taylor	106	77	84	59

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †

† 1953-1967 period.

Return if not delivered
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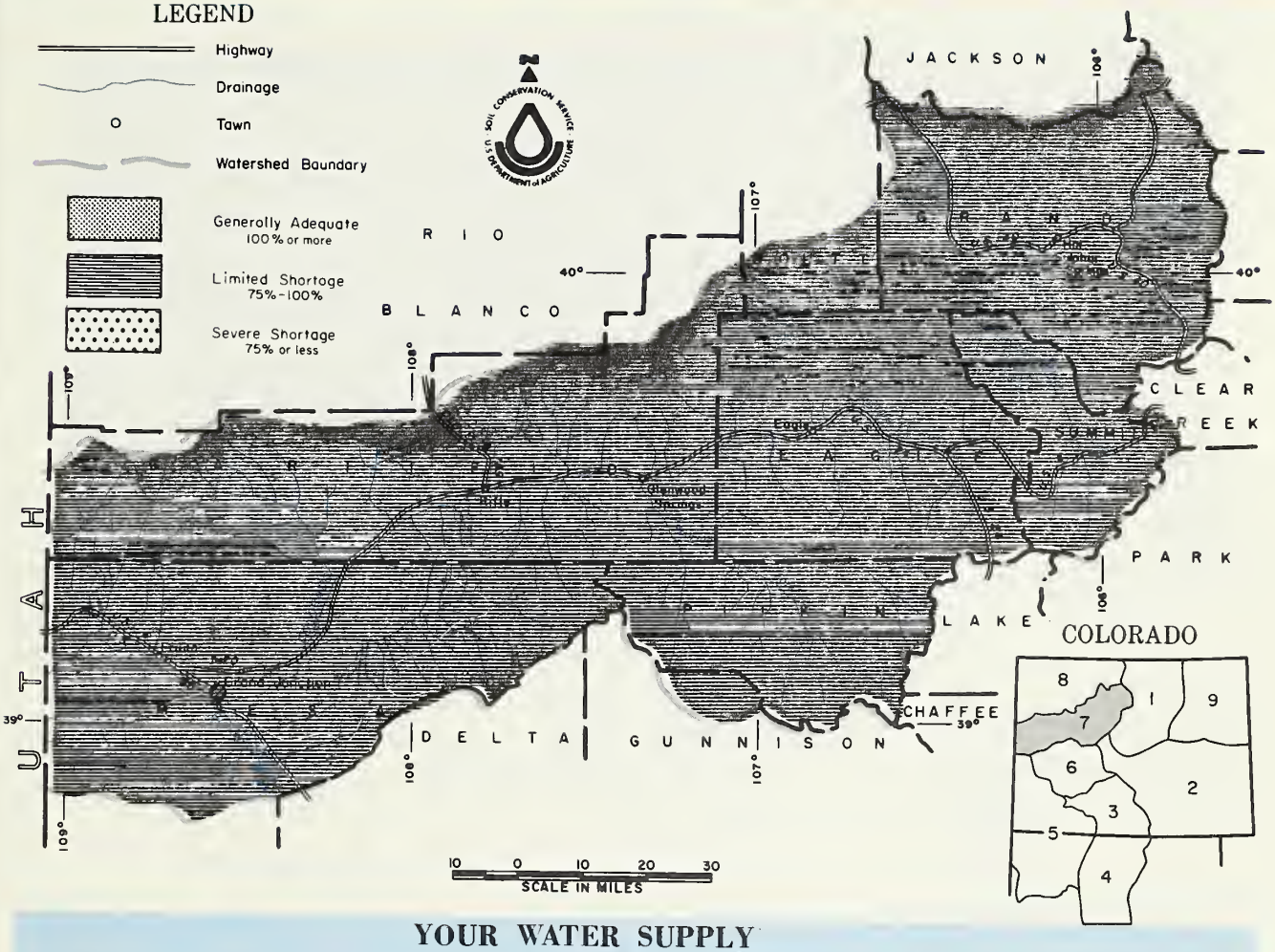
WATER SUPPLY OUTLOOK
FOR THE SOIL CONSERVATION DISTRICTS IN THE
COLORADO RIVER WATERSHED IN COLORADO

as of

May 1, 1972

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE

COLORADO EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



YOUR WATER SUPPLY

WATER SUPPLY FORECASTS CONTINUED TO DROP THIS MONTH. FORECASTS NOW RANGE FROM 70% ON THE ROARING FORK RIVER TO 93% ON THE BLUE RIVER ABOVE GREEN MOUNTAIN RESERVOIR. THE COLORADO RIVER NEAR CAMEO IS FORECAST AT 83%. THE McCLURE PASS SNOW COURSE HAS NO SNOW, THE SAME AS IN 1954 AND 1963. RESERVOIR STORAGE IS ABOVE AVERAGE IN ALL RESERVOIRS AND WILL SUPPLEMENT THE SUMMER FLOWS. ABOVE AVERAGE PRECIPITATION IS NEEDED TO INSURE AVERAGE STREAMFLOW THIS SUMMER.

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The Conservation of Water begins with the Snow Survey

STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr-Sept

FORECAST POINT	FORE-CAST	% of Average	Average +
Blue abv Green Mt. (1)	220	93	236
Colo. Rv. inflow to Granby Res. (2)	195	89	219
Colo. Rv. nr Dotsero (3)	1200	87	1375
Roaring Fork at Glenwood Springs (4)	485	70	692
Williams Fork nr Par. (5)	55	92	60
Willow Creek inflow to Willow Cr. Reservoir	35	76	46
Colo. nr Cameo (6)	1850	83	2216

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Brush	Fair	Fair
Eagle River	Fair	Fair
Gypsum Creek	Fair	Fair

(1) Observed flow plus diversions thraugh Roberts Tunnel and change in storage in Dillan Reservoir. (2) Observed flow corrected for change in storage in Lake Granby as furnished by U.S.B.R. and diversions by Adams Tunnel and Grand River Ditch. (3) Observed flow plus the changes as indicated in (1) (2) and (5) plus Moffat Ditch and change in Hamestake, Williams Fork, Green Mt. and Willow Creek Reservoirs. (4) Observed flow plus diversions thraugh Divide and Twin Lakes Tunnels plus change in storage in Ruedi Reservoir. (5) Observed flow plus diversions thraugh August P. Gumlick Tunnel. (6) Observed flow plus the changes as indicated in (3) and (4).

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average +
Blue River	8	94	103
Colorado	21	71	99
Plateau	3	73	68
Roaring Fork	7	85	91
Williams Fork	3	66	89
Willow	2	62	76

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average +
Blue River	1	81	97
Colorado	5	96	103
Roaring Fork	1	98	105
Willow	1	104	134

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Dillon	254	236	246	233
Granby	466	319	351	205
Green Mountain	147	51	48	43
Homestake	43	3	11	- -

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Ruedi	101	61	50	--
Vega	32	18	25	13
Williams Fork	97	56	53	34
Willow Creek	9	7	3	--

+ 1953-1967 period.

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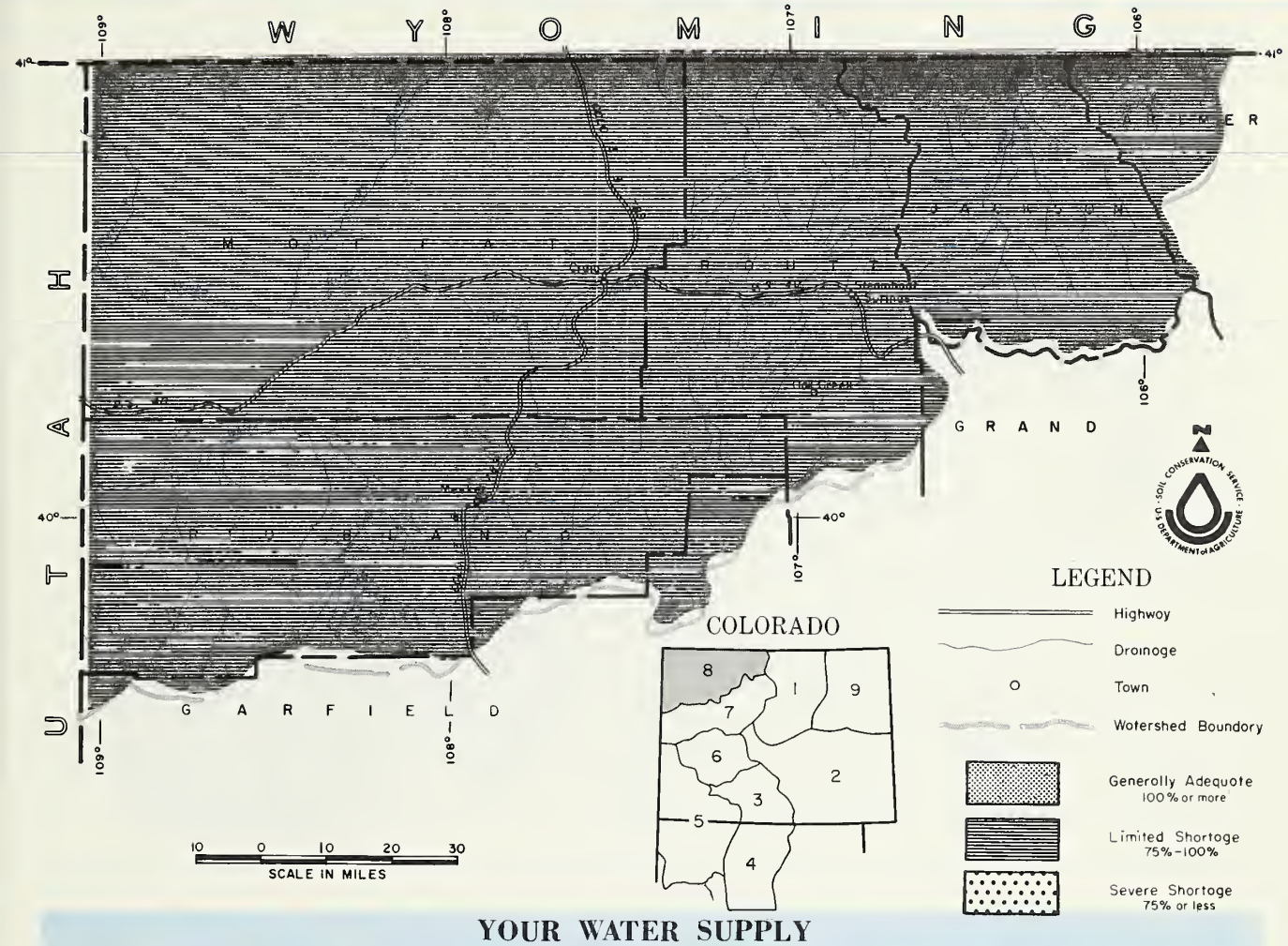
WATER SUPPLY OUTLOOK
FOR THE SOIL CONSERVATION DISTRICTS IN THE
YAMPA, WHITE, AND NORTH PLATTE RIVER WATERSHEDS
IN COLORADO

May 1, 1972

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE
COLORADO EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



YOUR WATER SUPPLY

STREAMFLOW FORECASTS WERE REDUCED SLIGHTLY FROM LAST MONTH AND NOW RANGE FROM 70 TO 100 PERCENT OF THE 1953-67 AVERAGE. THE SNOWPACK STARTED MELTING EARLIER THAN USUAL AND THE WATER CONTENT ON LOW ELEVATION SNOW COURSES IS MUCH BELOW NORMAL. SOIL MOISTURE CONDITIONS IN THE MOUNTAIN AREAS ARE ABOVE AVERAGE. SOIL MOISTURE CONDITIONS IN IRRIGATED AREAS ARE REPORTED AS FAIR.

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The Conservation of Water begins with the Snow Survey

STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr-Sept

FORECAST POINT	FORE-CAST	% of Average	Average +
Elk at Clark	180	94	191
Laramie at Glendevey	55	90	61
Little Snake at Lily	277	100	277
Nortn Platte at Nortngate	200	93	215
White nr Meeker	210	72	293
Yampa nr Maybell	750	88	853
Yampa at Steamboat Springs	225	87	260

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
Canadian River	Avg.	Avg.
Hunt Creek	Avg.	Poor
Illinois River	Avg.	Fair
Michigan River	Avg.	Avg.
Oak Creek	Avg.	Poor
Trout Creek	Avg.	Poor

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average +
Elk	3	46	55
Laramie	3	83	109
North Platte	5	68	92
White	2	55	64
Yampa	6	62	87

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average +
Laramie	2	89	107
North Platte	2	111	131
Yampa	1	95	81

+ 1953-1967 period.

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WATER SUPPLY OUTLOOK
FOR THE SOIL CONSERVATION DISTRICTS IN THE
LOWER SOUTH PLATTE RIVER WATERSHED IN COLORADO

as of

May 1, 1972

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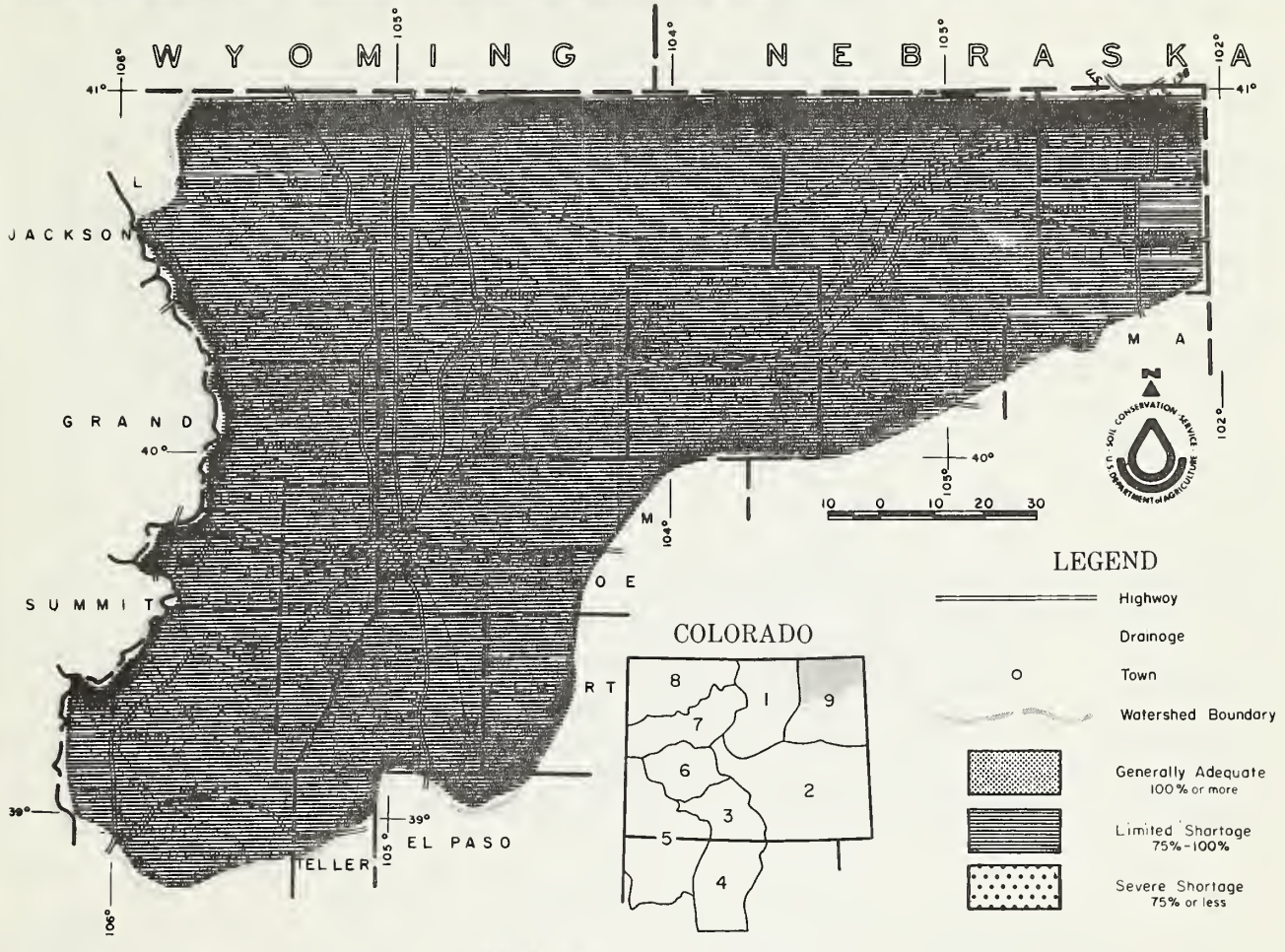

YOUR WATER SUPPLY

LIMITED WATER SHORTAGES MAY EXIST ON THE LOWER SOUTH PLATTE ESPECIALLY LATE IN THE SEASON. THE SNOWPACK IS NEAR AVERAGE AT HIGH ELEVATIONS BUT DIMINISHES LOWER DOWN. FORECASTS RANGE FROM 86% ON THE ST. VRAIN TO 98% ON THE CACHE LA POUDRE. THE BASIN'S RESERVOIR STORAGE IS ABOVE NORMAL AND WILL PROVIDE EXCELLENT SUPPLEMENTAL SUPPLIES. SOIL MOISTURE CONDITIONS ARE REPORTED AS FAIR.

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The Conservation of Water begins with the Snow Survey

STREAMFLOW FORECASTS (1000 Ac. Ft.) Apr-Sept

FORECAST POINT	FORE-CAST	% of Average	Average +
Big Thompson at Drake (1)	90	90	100
Boulder at Orodell	45	92	49
Cache La Poudre at Canyon Mouth (2)	210	98	215
Clear Creek at Golden (3)	105	88	119
Saint Vrain at Lyons (4)	60	86	70

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

STREAM or AREA	Flow Period	
	Spring Season	Late Season
South Platte from Greeley to Fort Morgan	Avg.	Avg.
South Platte from Fort Morgan to Sterling	Avg.	Avg.
South Platte below Sterling	Avg.	Avg.

(1) Observed flow plus by-pass to power plants. (2) Observed flow minus trans-basin diversions plus municipal and irrigation diversions. (3) Observed flow minus diversion through August P. Gumlick Tunnel. (4) Observed flow plus change in storage in Price Reservoir.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average +
Big Thompson	5	75	98
Boulder	3	64	83
Cache La Poudre	8	75	118
Clear Creek	6	74	83
Saint Vrain	3	36	81
South Platte	3	89	123

SOIL MOISTURE

RIVER BASIN	Number of Stations	THIS YEAR'S MOISTURE as PERCENT OF:	
		Last Year	Average +
Big Thompson	2	98	98
Boulder	1	113	140
Cache La Poudre	2	89	107
Clear Creek	2	80	110
Saint Vrain	2	109	127
South Platte	2	85	101

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Carter	108.9	107.2	109.0	86.4
Cheesman	79.0	74.0	77.7	50.2
Eleven Mile	97.8	81.0	96.4	72.9
Empire	37.7	33.1		29.0
Horsetooth	143.5	134.0	128.4	116.9

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
Jackson	35.4	33.7	34.9	33.7
Julesburg	28.2	23.6	23.3	22.1
Prewitt	32.8	25.6	28.8	17.5
Point of Rocks	70.0	63.2	68.9	60.8
Riverside	57.5	58.6	63.6	51.0

+ 1953-1967 period.

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APPENDIX I

SNOW COURSE MEASUREMENTS as of May 1, 1972

SNOW COURSE	CURRENT INFORMATION: DATE OF SURVEY	CURRENT INFORMATION: SNOW DEPTH (INCHES)	CURRENT INFORMATION: WATER CONTENT (INCHES)	PAST RECORD: WATER CONTENT (INCHES): LAST YEAR	PAST RECORD: WATER CONTENT (INCHES): AVG. 53 67
NORTH PLATTE BASIN					
Laramie River					
Deadman Hill	5/1	57	19.5	23.6	17.1
McIntyre	4/27	44	10.7	11.7	9.4
Roach	4/26	64	19.1	23.9	18.7
North Platte River					
Cameron Pass	4/28	78	32.6	38.6	28.4
Columbine Lodge	4/26	41	18.9	27.1	21.4
Northgate	4/28	2	0.3	5.5	2.7
Park View	4/26	14	3.3	7.9	5.6
Willow Cr. Pass(B)	4/26	25	7.8	12.8	10.0
SOUTH PLATTE BASIN					
Boulder Creek					
Baltimore	4/27	3	0.5	5.8	2.9
Boulder Falls	4/27	29	9.9	16.8	11.9
University Camp	4/27	49	19.0	23.1	20.7
Big Thompson River					
Deer Ridge	4/29	1	0.1	4.4	2.6
Hidden Valley	4/30	25	8.5	14.3	12.0
Lake Irene (B)	4/28	63	24.0	29.2	22.4
Long's Peak	4/26	35	12.2	16.4	12.0
Two Mile	4/29	60	20.0	22.5	17.0
Cache La Poudre					
Bennett Creek	4/25	3	1.0	9.1	- -
Big South	4/28	11	1.9	0.0	0.6
Cameron Pass	4/28	78	32.6	38.6	28.4
Chambers Lake	4/28	21	4.9	6.9	5.3
Deadman Hill	5/1	57	19.5	23.6	17.1
Hour Glass Lake	4/25	14	4.9	9.4	5.6
Joe Wright	4/28	74	27.8	33.7	- -
Lost Lake	4/28	49	13.0	11.7	8.9
Pine Creek	4/29	3	0.5	1.6	0.1
Red Feather	4/29	21	5.9	8.5	4.4
Clear Creek					
Baltimore (B)	4/27	3	0.5	5.8	2.9
Berthoud Falls	4/27	37	9.5	17.0	12.1
Empire	4/27	8	2.3	6.8	6.8
Grizzly Peak (B)	4/27	61	21.0	24.5	19.4
Loveland Lift	4/28	61	16.1	20.3	25.3
Loveland Pass	4/28	47	16.0	14.4	14.5
Saint Vrain River					
Copeland Lake	4/29	2	0.6	11.8	1.7
Ward	4/27	7	2.0	9.8	5.4
Wild Basin	4/29	33	13.0	21.7	12.2
South Platte River					
Como	4/27	15	3.6	4.1	- -
Geneva Park	4/28	5	1.3	0.9	1.2
Horseshoe Mt.	4/26	41	12.6	11.2	- -
Hoosier Pass	4/27	44	14.2	13.4	12.0
Jefferson Creek	4/27	31	9.4	13.8	7.1
Mosquito	4/26	12	3.5	3.7	- -
Trout Creek Pass	4/26	0	0.0	0.1	- -
ARKANSAS BASIN					
Arkansas River					
Bigelow Divide	4/26	0	0.0	5.3	2.2
Cooper Hill (B)	4/28	47	10.8	13.4	11.1
East Fork	4/27	23	6.8	7.8	7.4
Four Mile Park	4/28	0	0.0	0.3	1.0
Fremont Pass	4/27	60	18.9	17.7	17.9
Garfield	4/26	15	5.2	5.9	8.5
Hermit Lake	4/27	0	0.0	0.0	- -
Monarch Pass	4/26	38	13.1	14.0	16.5
Tennessee Pass	4/28	26	8.2	6.7	7.7
Twin Lakes Tunnel	4/28	32	12.1	9.9	8.7
Westcliffe	4/27	0	0.0	0.0	1.0
Cucharas River					
Blue Lakes	4/26	0	0.0	0.0	0.5
Cucharas Pass	4/26	0	0.0	0.0	- -
La Veta Pass (B)	4/26	0	0.0	0.0	1.6
Purgatoire River					
Bourbon	4/28	0	0.0	0.0	1.7
RIO GRANDE BASIN-COLO					
Alamosa River					
Silver Lakes	4/28	0	0.0	0.0	0.6
Summitville	4/27	50	16.6	16.2	19.0
Conejos River					
Cumbres	4/26	0	0.0	3.9	12.6
La Manga	4/26	12	4.1		
Platoro	4/28	4	1.7	3.3	9.9
River Springs	4/28	0	0.0	0.0	0.5
Culebra River					
Brown Cabin				0.0	- -
Cottonwood (B)				- -	- -
Culebra	4/28	0	0.0	0.0	3.5
La Veta Pass (B)	4/28	0	0.0	0.0	1.6
Trinchera (B)				0.0	- -
Rio Grande					
Cochetopa Pass	4/26	4	1.1	2.2	2.6
Grayback	4/27	5	2.7	3.4	- -
Hiway	4/28	46	21.0	19.8	28.1
Lake Humphrey	4/28	1	0.5	0.0	0.4
Love Lake	4/28	0	0.0	0.0	- -
Pass Creek	4/28	0	0.0	0.0	3.9
Pool Table	4/28	1	0.3	0.0	1.9
Porcupine	4/28	8	2.6	4.6	6.6
Santa Maria	4/28	0	0.0	0.0	0.5
Upper Rio Grande	4/28	0	0.0	1.0	1.8
Wolf Cr. Pass	4/28	10	5.3	7.3	22.0
Wolf Cr. Summit	4/28	59	27.9	24.3	30.0
SAN JUAN-DOLORES					
Animas River					
Cascade	4/27	0	0.0	0.0	3.6
Lemon	4/27	0	0.0	0.0	- -
Mineral Creek	4/27	11	3.6	6.3	10.5
Molas Lake	4/27	3	1.2	2.4	6.8
Purgatory	4/27	25	10.8	7.2	- -
Red Mountain	4/27	75	28.3	32.0	30.3
Silverton Sub-Sta	4/27	0	0.0	0.0	0.1
Spud Mountain	4/27	26	11.3	13.7	22.2
Dolores River					
Lizzard Head	4/28	7	3.1	8.3	12.9
Lone Cone	4/28	2	0.9	3.1	- -
Rico	4/28	0	0.0	0.0	0.4
Telluride	4/27	0	0.0	1.4	0.8
Trout Lake	4/27	3	0.3	2.1	8.5
San Juan River					
Chama Divide (B)	4/26	0	0.0	0.0	- -
Chamita (B)	4/26	0	0.0	0.0	- -
Upper San Juan	4/28	15	7.9	8.9	26.6
Wolf Cr. Pass (B)	4/28	10	5.3	7.3	22.0
Wolf Cr. Summit	4/28	59	27.9	24.3	30.0

NOTE: NS - No Survey
(B) - On Adjacent Drainage

APPENDIX I

SNOW COURSE MEASUREMENTS as of May 1, 1972

SNOW COURSE	CURRENT INFORMATION: DATE OF SURVEY	CURRENT INFORMATION: SNOW DEPTH (INCHES)	CURRENT INFORMATION: WATER CONTENT (INCHES)	PAST RECORD: WATER CONTENT (INCHES) LAST YEAR	PAST RECORD: WATER CONTENT (INCHES) AVG. 53 67
GUNNISON 8ASIN					
Gunnison River					
Alexander Lake	5/1	34	14.5	20.6	21.0
Blue Mesa	4/28	0	0.0	0.0	1.9
Butte	4/28	32	11.3	12.6	- -
Cochetopa Pass(B)	4/26	4	1.1	2.2	2.6
Crested 8utte	4/27	1	0.2	2.0	7.1
Keystone	4/28	36	15.1	16.2	17.1
Lake City	4/26	4	1.2	2.2	3.5
Mesa Lakes (8)	4/27	25	8.2	14.9	15.1
McClure Pass	4/27	0	0.0	7.8	9.3
Park Cone	4/27	15	4.4	3.8	7.7
Park Reservoir	4/28	42	15.8	21.5	23.6
Porphyry Creek	4/26	37	11.5	16.5	16.5
Tomichi	4/26	23	7.4	10.4	10.0
Surface Creek					
Alexander Lake	5/1	34	14.5	20.6	21.0
Mesa Lakes (B)	4/27	25	8.2	14.9	15.1
Park Reservoir	4/28	42	15.8	21.5	23.6
Uncompahgre River					
Ironton Park	4/28	0	0.0	0.0	6.7
Red Mountain Pass	4/27	75	28.3	32.0	30.3
Telluride (8)	4/27	0	0.0	1.4	0.8
COLORADO 8ASIN (Main)					
8lue River					
Blue River	4/27	16	4.1	4.8	6.4
Fremont Pass	4/27	60	18.9	17.7	17.9
Frisco	4/27	8	2.4	4.8	4.6
Grizzly Peak	4/27	61	21.0	24.5	19.4
Hoosier Pass (8)	4/27	44	14.2	13.4	12.0
Shrine Pass	4/27	63	23.3	20.6	18.7
Snake River	4/27	9	1.0	3.4	3.5
Summit Ranch	4/27	17	4.8	6.7	4.8
Colorado River					
Arrow	4/26	31	10.0	17.5	9.2
8erthoud Pass	4/27	54	17.4	21.1	14.3
Berthoud Summit	4/27	67	22.0	26.3	20.6
Cooper Hill	4/28	47	10.8	13.4	11.1
Fiddler Gulch	4/25	38	11.6	- -	14.7
Glenmar Ranch	4/26	11	1.3	6.4	3.8
Gore Pass	4/27	24	6.8	10.5	7.3
Grand Lake	4/26	11	2.3	6.3	3.4
Lake Irene	4/28	63	24.0	29.2	22.4
Lapland	4/25	21	8.6	10.2	6.9
Lulu	4/29	58	23.4	28.3	18.3
Lynx Pass	4/27	22	6.1	12.0	7.1
McKenzie Gulch	4/26	2	0.5	0.0	0.6
Middle Fork	4/26	17	2.9	6.7	5.7
Milner	4/28	30	10.8	16.2	12.0
North Inlet	4/26	12	3.6	7.8	5.9
Pando	4/27	21	7.0	8.4	7.7
Phantom Valley	4/26	8	1.7	11.0	6.2
Ranch Creek	4/26	32	10.0	14.2	9.0
Tennessee Pass	4/28	26	8.2	6.7	7.7
Vail Pass	4/27	38	14.2	19.9	15.0
Vasquez	4/26	37	13.1	17.3	12.4
Roaring Fork River					
Aspen	4/28	53	21.7	17.9	16.0
Chapman	4/27	40	14.6	14.9	- -
Independence Pass	4/28	46	15.1	18.1	16.2
Ivanhoe	4/28	61	21.0	20.6	17.3
Kiln	4/28	40	13.8	12.6	- -
Last Chance	4/28	40	14.4	13.1	- -
Lift	4/28	50	17.7	21.2	18.0
McClure Pass	4/27	0	0.0	7.8	9.3
Nast	4/27	0	0.0	1.0	1.8
North Lost Trail	4/27	16	2.5	5.4	7.5
Williams Fork River					
Glenmar Ranch	4/26	11	1.3	6.4	3.8
Jones Pass	4/27	56	18.0	20.8	15.4
Middle Fork	4/26	17	2.9	6.7	5.7
Willow Creek					
Granby	4/26	8	2.5	3.7	3.6
Willow Cr. Pass	4/26	25	7.8	12.8	10.0
Plateau Creek					
Mesa Lakes	4/27	25	8.2	14.9	15.1
Park Reservoir	4/28	42	15.8	21.5	23.6
Trickle Divide	4/28	56	20.5	24.4	26.5
YAMPA 8ASIN					
Elk River					
Clark	4/27	0	0.0	1.5	3.1
Elk River	4/26	33	11.9	18.7	13.6
Hahn's Peak	4/26	5	1.6	9.0	7.8
White River					
Burro Mountain	4/28	28	8.8	16.1	14.5
Rio Blanco	4/27	23	6.3	11.5	9.1
Yampa River					
Bear River	4/27	18	4.9	8.6	7.4
Columbine (B)	4/26	41	18.9	27.1	21.4
Dry Lake	4/24	32	14.0	21.1	15.2
Lynx Pass (B)	4/27	22	6.1	12.0	7.1
Rabbit Ears	4/26	68	26.9	37.6	25.9
Yampa View	4/26	13	3.8	13.8	8.4
Crosho	4/27	35	11.2	16.5	- -

NOTE: NS - No Survey
(8) - On Adjacent Drainage

APPENDIX II

SOIL MOISTURE MEASUREMENTS as of May 1, 1972

STATION	DATE OF SURVEY	CAPACITY (INCHES)	THIS YEAR	LAST YEAR	AVG. ALL DATA
NORTH PLATTE BASIN					
North Platte River					
Muddy Pass	4/26/72	11.1	10.7	9.1	8.4
Willow Pass	4/26/72	9.5	9.4	9.0	7.0
SOUTH PLATTE BASIN					
Boulder Creek					
Alpine Camp	4/27/72	6.9	6.0	5.3	4.3
Big Thompson River					
Beaver Dam	4/27/72	7.1	5.4	5.2	4.7
Guard Station		6.9		4.7	4.5
Two Mile	4/27/72	9.1	4.5	4.9	5.4
Clear Creek					
Clear Creek	4/28/72	9.5	6.4	8.7	5.7
Hoop Creek	4/28/72	4.9	3.3	3.4	3.1
Cache La Poudre River					
Feather	5/1/72	10.1	9.7	9.8	7.9
Laramie Road	4/28/72	12.4	8.1	10.2	8.7
South Platte River					
Hoosier Pass	4/2[illegible]	7.8	5.0	6.4	5.4
Kenosha Pass	4/27/72	4.4	4.0	4.2	3.5
ARKANSAS BASIN					
Arkansas River					
Garfield	4/26/72	6.7	4.2	4.6	4.8
Leadville	4/27/72	7.8	3.0	3.8	4.9
Twin Lakes Tunnel	4/27/72	4.5	2.5	2.6	3.1
RIO GRANDE BASIN - COLORADO					
Conejos River					
Mogote	4/26/72	10.7	6.8	7.3	8.8
Rio Grande					5.7
Bristol View	4/28/72	6.1	5.9	6.0	4.7
La Veta Pass	4/26/72	11.9	10.1	11.8	11.6
ANIMAS-SAN JUAN BASINS					
Animas River					
Cascade	4/27/72	9.1	5.5	5.9	7.7
Mineral Creek	4/27/72	5.7	3.2	3.4	4.5
Molas Lake	4/27/72	9.4	6.7	6.6	6.6
Dolores River					
Dolores	4/28/72	19.6	3.3	5.9	12.2
Lizzard Head	4/28/72	11.8	4.8	5.4	8.2
Rico	4/28/73	13.8	8.7	10.4	7.3
GUNNISON BASIN					
Gunnison River					
King	4/26/72	3.3	2.3	2.3	2.3
COLORADO BASIN (MAINSTEM)					
Blue River					
Blue River	4/27/72	4.2	2.9	3.6	3.0
Colorado River					
Berthoud Pass	4/27/72	3.9	3.1	3.4	2.9
Gore	4/27/72	4.9	4.5	4.5	4.1
Grand Mesa	4/28/72	12.5	12.1	12.5	9.9
Ranch Creek	4/26/72	8.7	6.0	6.5	6.2
Vail	4/27/72	12.3	8.9	9.0	10.5
Roaring Fork River					
Placita	4/27/72	9.3	8.0	8.2	7.6
YAMPA BASIN					
Yampa River					
Hahn's Peak	4/26/72	19.0	12.2	12.8	15.0

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LIST of COOPERATORS

The following organizations cooperate in snow surveys for the Colorado, Platte, Arkansas and Rio Grande watersheds. Many other organizations and individuals furnish valuable information for the snow survey reports. Their cooperation is gratefully acknowledged.

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